MD 45 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

PROPOSED SIGNAL HEADS

1,4 — 12"/8" LED
2,5 — 12" LED
3,9,12 — 12" LED
6 — 12" LED
7,8,10,11 — 12" LED
13–18 — 16" LED COUNTDOWN PEDESTRIAN SIGNAL

PROPOSED SIGNS

19 — Ridgely Rd, D-3(1), VARIABLE x 16"
20 — Ridgely Rd, D-3(1), VARIABLE x 16"
21,27 — ONLY, R3-5R (30"x36")
22,24 — ONLY, R3-5L (30"x36")
26 — R3-6L (30"x36")
23 — York Rd, SOUTH | MARYLAND 45 | NORTH, M95-1-NR (MOD) (72"x40")
25 — York Rd, NORTH | MARYLAND 45 | SOUTH, M95-1-NL (MOD) (72"x40")
28,30 — R10-4(1) (9"x12") W/ APS
29,31 — R10-4(1) (9"x12") W/ APS
32 — R10-4(1) (9"x12") W/ APS
33 — R10-4(1) (9"x12") W/ APS

NEMA PHASING

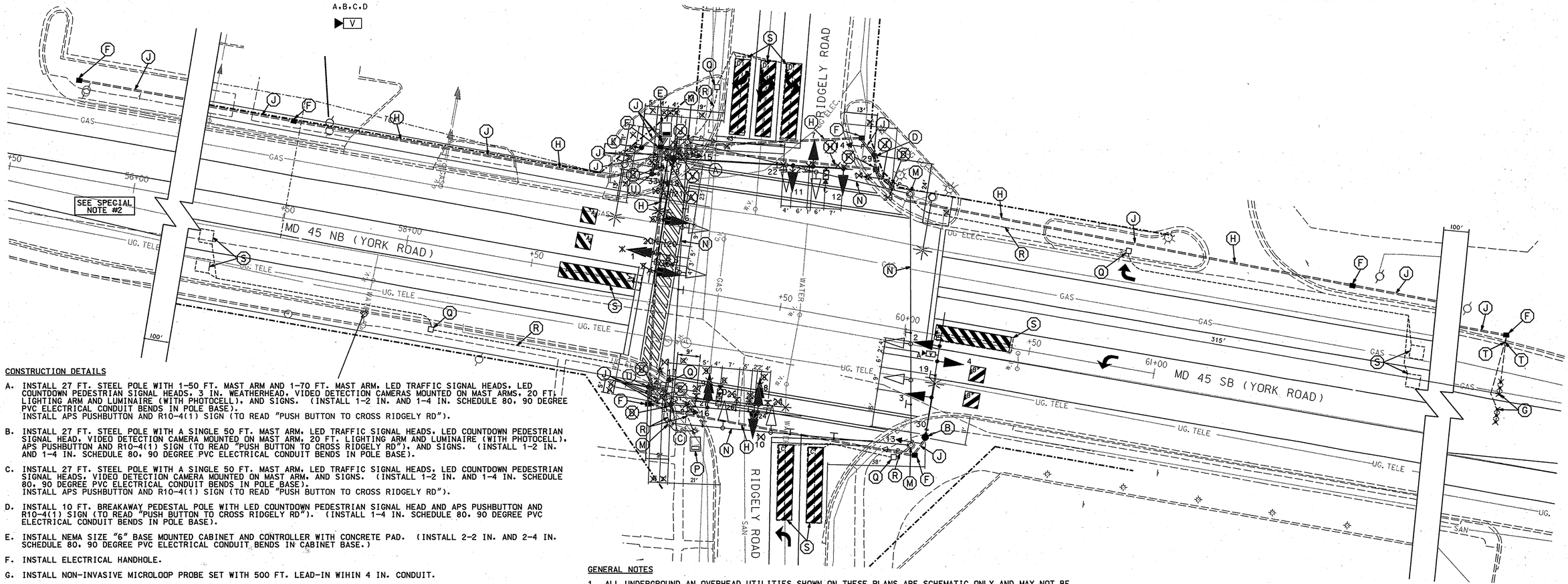
Ø 1, Ø 2, Ø 3 + OVERLAP, Ø 4, Ø 5, Ø 6, Ø 2 ALT, Ø 3 OVERLAP ALT, Ø 6 ALT, FLASHING OPERATION

PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

PROPOSED VIDEO DETECTION CAMERAS

A,B,C,D — V



CONSTRUCTION DETAILS

A. INSTALL 27 FT. STEEL POLE WITH 1-50 FT. MAST ARM AND 1-70 FT. MAST ARM, LED TRAFFIC SIGNAL HEADS, LED COUNTDOWN PEDESTRIAN SIGNAL HEADS, 3 IN. WEATHERHEAD, VIDEO DETECTION CAMERAS MOUNTED ON MAST ARMS, 20 FT. LIGHTING ARM AND LUMINAIRE (WITH PHOTOCELL), AND SIGNS. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN POLE BASE).
INSTALL APS PUSHBUTTON AND R10-4(1) SIGN (TO READ "PUSH BUTTON TO CROSS RIDGELY RD").

B. INSTALL 27 FT. STEEL POLE WITH A SINGLE 50 FT. MAST ARM, LED TRAFFIC SIGNAL HEADS, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, VIDEO DETECTION CAMERA MOUNTED ON MAST ARM, 20 FT. LIGHTING ARM AND LUMINAIRE (WITH PHOTOCELL), APS PUSHBUTTON AND R10-4(1) SIGN (TO READ "PUSH BUTTON TO CROSS RIDGELY RD"), AND SIGNS. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN POLE BASE).

C. INSTALL 27 FT. STEEL POLE WITH A SINGLE 50 FT. MAST ARM, LED TRAFFIC SIGNAL HEADS, LED COUNTDOWN PEDESTRIAN SIGNAL HEADS, VIDEO DETECTION CAMERA MOUNTED ON MAST ARM, AND SIGNS. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN POLE BASE).
INSTALL APS PUSHBUTTON AND R10-4(1) SIGN (TO READ "PUSH BUTTON TO CROSS RIDGELY RD").

D. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD AND APS PUSHBUTTON AND R10-4(1) SIGN (TO READ "PUSH BUTTON TO CROSS RIDGELY RD"). (INSTALL 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN POLE BASE).

E. INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH CONCRETE PAD. (INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN CABINET BASE.)

F. INSTALL ELECTRICAL HANDHOLE.

G. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH 500 FT. LEAD-IN WIHIN 4 IN. CONDUIT.

H. INSTALL 4 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT (SLOTTED).

J. INSTALL 4 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT (TRENCHED).

K. PROPOSED UNDERGROUND ELECTRICAL SERVICE BY BGE FORCES. METERED PEDESTAL POLE TO BE INSTALLED BY CONTRACTOR.

L. DISCONNECT EXISTING OVERHEAD ELECTRICAL SERVICE.

M. REMOVE EXISTING STRAIN POLE, PEDESTRIAN SIGNAL HEAD(S), AND SIGNS. REMOVE FOUNDATION 12 IN. BELOW GRADE.

N. REMOVE EXISTING SPAN WIRE, TRAFFIC SIGNAL HEADS, AND SIGNS.

P. REMOVE EXISTING BASE MOUNTED CONTROLLER AND CABINET. REMOVE FOUNDATION 12 IN. BELOW GRADE.

Q. REMOVE EXISTING HANDHOLE.

R. CAP AND ABANDON EXISTING CONDUIT.

S. ABANDON EXISTING LOOP DETECTOR.

T. INSTALL 1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE.

U. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH APS PUSHBUTTON AND R10-4(1) SIGN (TO READ "PUSH BUTTON TO CROSS YORK RD"). (INSTALL 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN POLE BASE). CUT TOP OF POLE AS NECESSARY.

~~V. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH APS PUSHBUTTON AND R10-4(1) SIGN (TO READ "PUSH BUTTON TO CROSS RIDGELY RD"). (INSTALL 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN POLE BASE). CUT TOP OF POLE AS NECESSARY.~~

GENERAL NOTES

1. ALL UNDERGROUND AN OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING WISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
2. SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUZILIARY EQUIPMENT FROM THE CONTROLLER CABINET. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
3. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCE AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, AND MD 818.04. THE CONTRACTOR SHALL VERFIY ULTIMATE GRADES PRIOR TO INSTALLATION.

SPECIAL NOTES

1. VIDEO DETECTION ZONES SHALL BE ADJUSTED THROUGHOUT CONSTRUCTION OF THE MD 45 WIDENING PROJECT (BA7065171). THE FINAL DETECTION ZONES FOR LEFT-TURNS WILL BE ESTABLISHED AT THE COMPLETION OF THE WIDENING PROJECT WHEN FINAL PAVEMENT MARKINGS ARE IN PLACE.
2. THE NORTHBOUND MICROLOOP PROBE SET SHALL BE INSTALLED IN FINAL MD 45 TRAVEL LANE LOCATIONS IMMEDIATELY PRIOR TO THE FINAL MD 45 PAVEMENT OVERLAY (SEE FINAL SIGNAL PLAN).
3. EXISTING PAVEMENT MARKINGS ARE SHOWN. SEE FINAL SIGNING AND PAVEMENT MARKING PLANS FOR PROPOSED PAVEMENT MARKINGS.
4. NEW INTERCONNECT SHALL BE INSTALLED DURING PHASE 1 PRIOR TO REMOVING EXISTING INTERCONNECT.

GEOMETRIC LEGEND
- EXISTING GEOMETRICS
- PROPOSED GEOMETRICS
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY

GREENLINE REVISION NO. 1 — PHASE 1

McCormick Taylor
Engineers & Planners Since 1946
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Baltimore, Maryland 21202
(410) 662-7400

BY: JEHARKNESS

APPROVALS: TEAM LEADER, ASST. DIV. CHIEF, DIVISION CHIEF, OFFICE DIRECTOR — ORIGINAL ON FILE

REVISIONS
- C 7-28-97 LANE ASSIGNMENT CHANGES RIDGLEY ROAD
- D INSTALL OPTICOM S.H.A. NO.: AT7825185 4/28/06
- E RECONSTRUCT SIGNAL DUE TO WIDENING 3/06 BA7065171

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MARYLAND 45 (YORK ROAD) WIDENING
CAVAN DRIVE TO RIDGELY ROAD

SIGNALIZATION PLAN – MD 45 at Ridgely Road

SCALE 1"=20' DATE _____ CONTRACT NO. BA7065171

DESIGNED BY _____ COUNTY BALTIMORE
DRAWN BY _____ LOGMILE 03004504.42
CHECKED BY _____ T.I.M.S. NO. F159
F.A.P. NO. SEE TITLE SHEET TDD NO. _____

DRAWING NO. 4590E1 SS-09 OF SS-25 SHEET NO. 77 OF 137

PLOTTED: WEDNESDAY, APRIL 18, 2007 AT 01:02 PM
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